

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims of the application.

Listing of Claims

Claim 1. (Currently Amended) A thermal insulation product, comprising:
a loose fill; and
at least one carbonate dispersed in the loose fill,
wherein the at least one carbonate comprises particles having a mean diameter of
from 3 to 6 μm .

Claim 2. (Original) The product according to Claim 1, wherein the loose fill
comprises fibers selected from the group consisting of cellulose-containing fibers, synthetic
polymer fibers, rock wool fibers, and glass fibers.

Claim 3. (Original) The product according to Claim 1, wherein the loose fill
comprises at least one of shredded recycled newspapers and ground recycled newspapers.

Claim 4. (Original) The product according to Claim 1, wherein the at least one
carbonate is dispersed uniformly in the loose fill.

Claim 5. (Original) The product according to Claim 1, wherein the product comprises
the at least one carbonate in an amount of from 1 to 40% by weight.

Claim 6 (Canceled).

Claim 7. (Original) The product according to Claim 1, wherein the at least one carbonate comprises calcium carbonate.

Claim 8. (Original) The product according to Claim 1, further comprising a binder joining the at least one carbonate to the loose fill.

Claim 9. (Original) The product according to Claim 1, further comprising a mineral oil dispersed in the loose fill.

Claim 10. (Original) The product according to Claim 1, wherein the at least one carbonate absorbs infrared radiation having a wavelength in a range of 4 to 40 μm .

Claim 11-24. (Canceled)

Claim 25. (Previously Presented) The product according to Claim 1, wherein the at least one carbonate comprises particles having a mean diameter of from 4 to 6 μm .

Claim 26. (Previously Presented) The product according to Claim 1, wherein the at least one carbonate comprises particles having a mean diameter of from 3 to 5 μm .

Claim 27. (Previously Presented) The product according to Claim 1, wherein the loose fill is in the form of at least one of flakes, powders, granules or nodules.

Claim 28 (Previously Presented) The product according to Claim 1, wherein the loose fill is at least one inorganic material selected from the group consisting of diatomaceous

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silica, perlite, vermiculite, silica aerogel, calcium silicate, opacified colloidal alumina, alumina bubbles, zirconia bubbles, and granulated charcoal.

Claims 29 and 30. (Canceled)